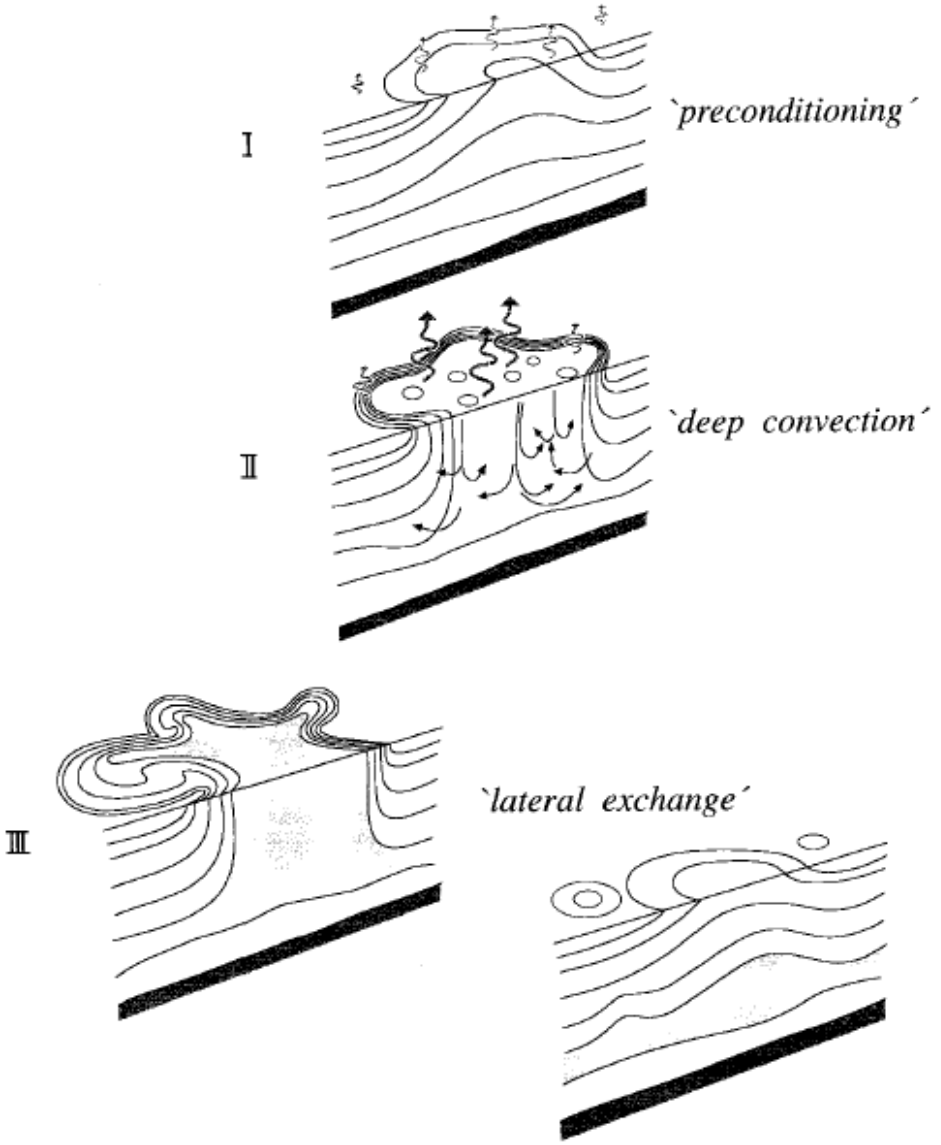
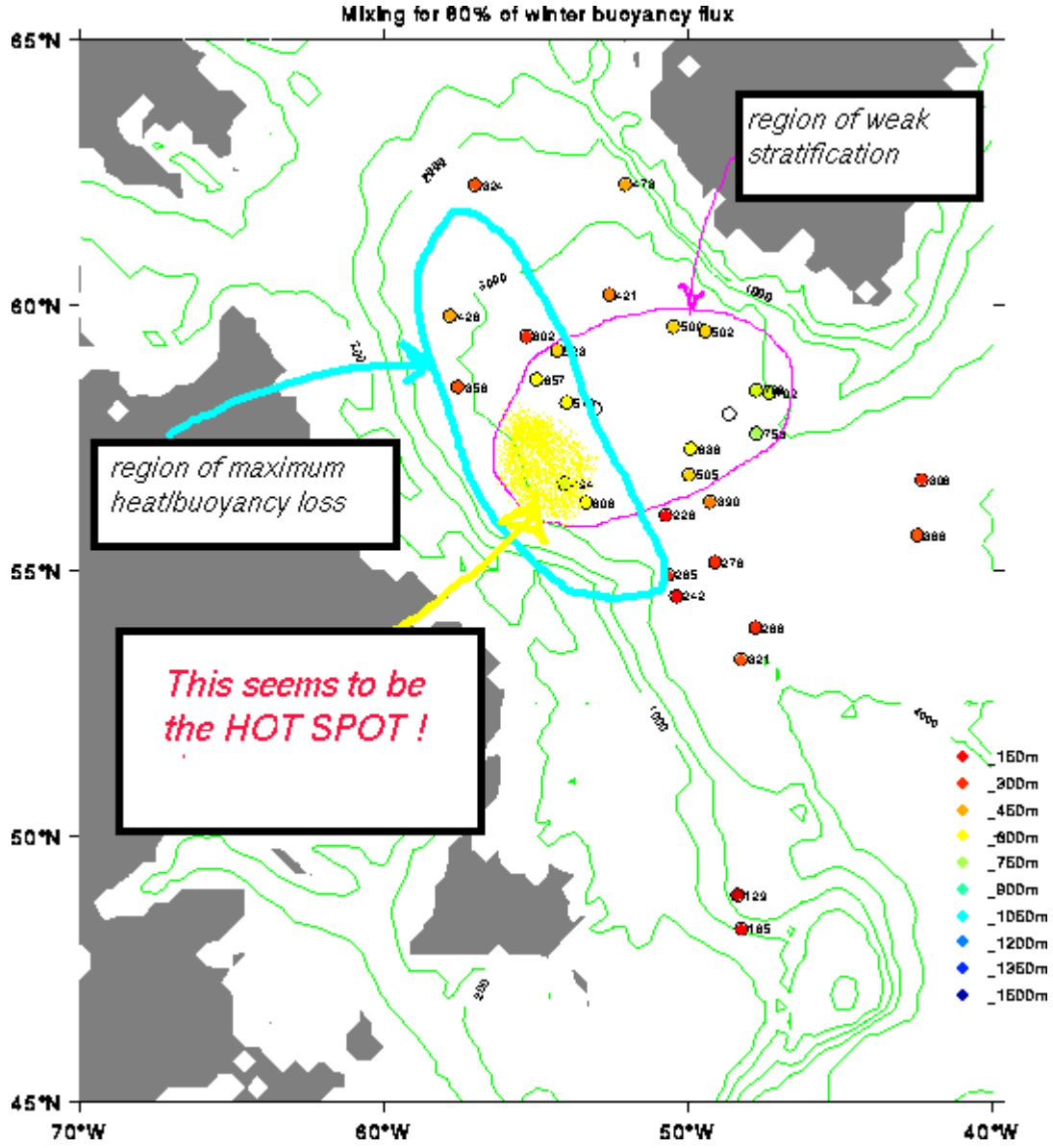
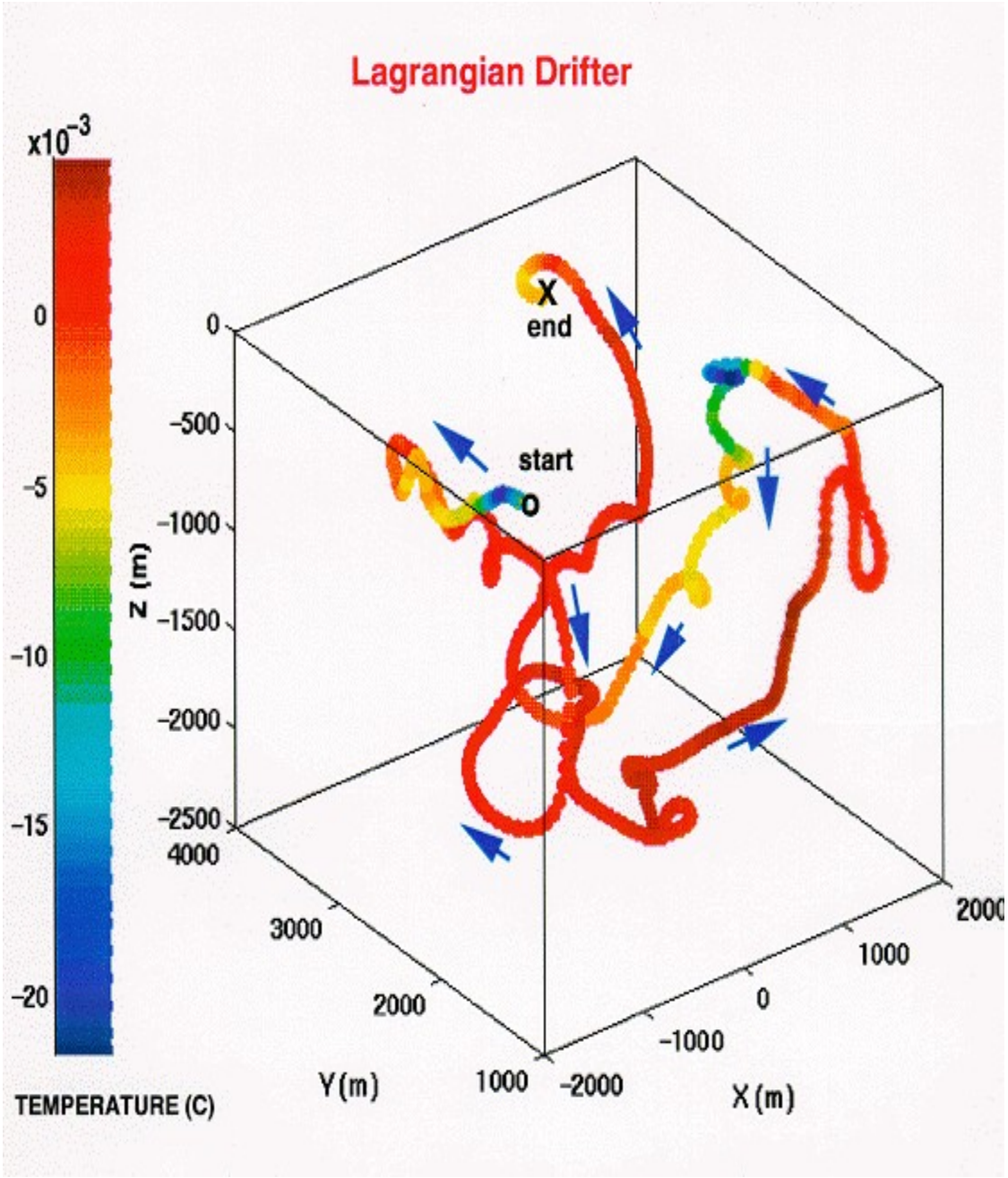
The phases of deep convection

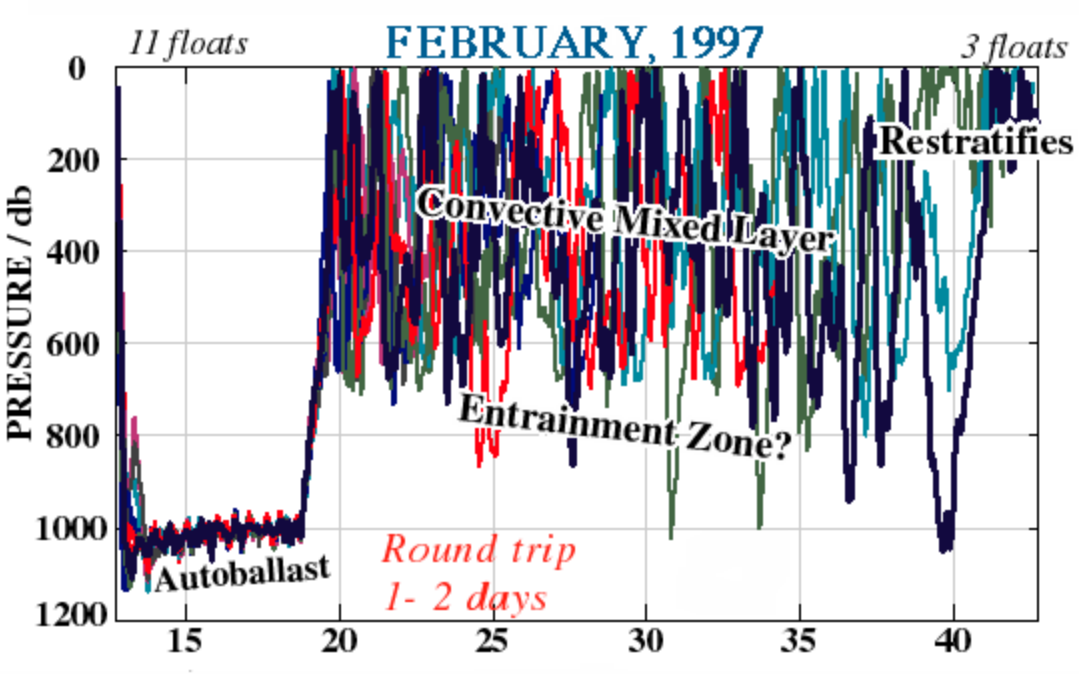


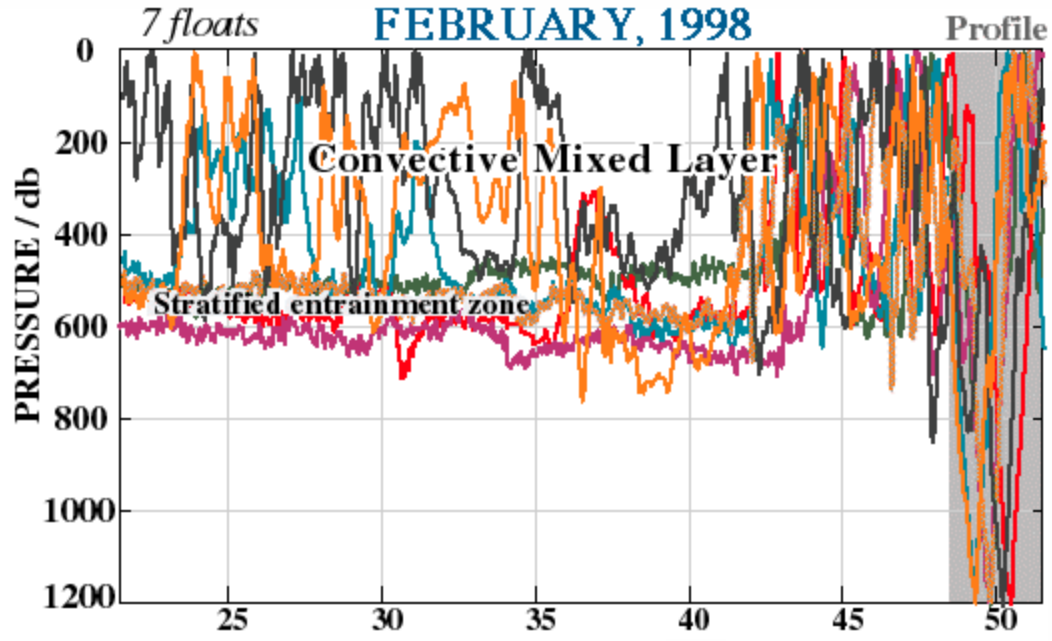

Mixing for 80% of winter buoyancy flux
65°N
60°N
55°N
50°N
45°N
70°W
60°W
50°W
40°W
region of weak stratification
region of maximum heatlbuoyancy loss
This seems to be the HOT SPOT !
_150m
_300m
_450m
_600m
_750m
_900m
_1050m
_1200m
_1350m
_1500m



Lagrangian floats in the Labrador Sea.

Bill Garwood simulated the behavior of the 3D float with an LES model of the Labrador Sea.





Lagrangian floats in the Labrador Sea.

Eric D'Asaro developed a true 3D Lagrangian float to determine the properties of the deep convection in the Labrador Sea.